

EXECUTIVE OFFICER SUMMARY REPORT  
February 5, 2003

ITEM: 5

SUBJECT: Revision of Waste Discharge Requirements: Zoological Society of San Diego, San Diego Wild Animal Park, San Diego County (tentative Addendum No. 1 to Order No. 99-04) (*Bryan Ott*)

PURPOSE: To adopt amended waste discharge requirements for the production of recycled water from the expanded wastewater treatment plant at the San Diego Wild Animal Park.

PUBLIC NOTICE: The February 5, 2003 Regional Board meeting agenda notice that was sent on January 17, 2003 served as the required 10-day official public notification for this action. Tentative drafts of the Addendum were mailed on January 6, 2003 to the discharger and all known interested parties and agencies for review and comment. Copies of the tentative Addendum have been made available for public review at the San Diego Regional Water Quality Control Board office.

DISCUSSION: The Zoological Society of San Diego owns and operates the San Diego Wild Animal Park wastewater treatment plant. Tentative Addendum No. 1 to Order No. 99-04 would amend waste discharge requirements to allow for the production, discharge, and restricted use of 0.150 million gallons per day (MGD) disinfected secondary-23 recycled water [recycled water that has been oxidized and disinfected so that the median concentration of total coliform bacteria in the disinfected effluent does not exceed a most probable number (MPN) of 23 per 100 milliliters] from the San Diego Wild Animal Park wastewater treatment plant for irrigation purposes within the animal exhibits. The Addendum allows for an increase in effluent flow rate from 0.044 MGD to 0.150 MGD in accordance with the terms and conditions of Order No. 99-04.

The effluent limitations contained in tentative Addendum No. 1 to Order No. 99-04 for the discharge of treated wastewater to the land are based principally on the 1994 Water Quality Control Plan for the San Diego Basin and the regulations

governing recycled water use as contained in Title 22 of the California Code of Regulations.

LEGAL CONCERNS:

None.

SUPPORTING DOCS:

1. Tentative Addendum No. 1 to Order No. 99-04
2. Transmittal letter, dated January 6, 2003
3. Letter from State Department of Health Services (without attachments), dated December 22, 2002
4. Location map

SIGNIFICANT  
CHANGES:

Tentative Addendum No. 1 would allow an increase in effluent flow rate from 0.044 MGD to 0.150 MGD, allow for the production, discharge, and restricted use of disinfected secondary-23 recycled water, and acknowledge plant upgrades and expansion.

COMPLIANCE  
RECORD:

The San Diego Wild Animal Park wastewater treatment plant has been in compliance with current Order No. 99-04 except for almost daily flowrate violations for approximately the past year. This period of chronic non-compliance has been due to the delay in approval of the Title 22 engineering report by the State Department of Health Services, completion of cross connection tests, and the need of the San Diego Wild Animal Park to operate at the higher flowrates. Adoption of tentative Addendum No. 1 would result in compliance by the discharger.

RECOMMENDATION:

The adoption of tentative Addendum No. 1 to Order No. 99-04 is recommended.